

MD iMap Technical Committee Meeting Minutes

Place: Department of the Environment (MDE): Stat Room (Baltimore, MD)

Date: 04/01/2014

Time: 1:00PM – 3:00 PM

Attendees: Jim Cannistra (MDP), Kaushik Dutta (MDTA), Julia Fischer (DBED), Mara Kaminowitz (BMC), Barney Krucoff (DoIT), Erin Lesh (SHA), Lisa Lowe (DoIT), Hillary Huffer (DLLR), Russell Provost (DoIT/ESRGC), Frank Siano (MDE), Marshall Stevenson (WBCM/SHA) and Brad Wolters (DHCD)

Phone Attendees: Michael Bentivegna (CGIS), Ashley Buzzeo (CGIS), Bill Fearington (DHR), Katie Offerman (MGS), Cindy Powell (DNR), Dan Smith (Chesapeake Environmental Management), Matt Sokol (DoIT) and Mussie Tewolde (DJS)

AGENDA:

- Introductions 1:00 – 1:10
- TUGIS Debrief 1:10 – 1:15
- Geocortex Essentials Demo – *Brad Wolters* 1:15 – 1:30
- Legislative Update – *Jim Cannistra/Barney Krucoff* 1:30 – 1:35
- Local Government Programs (Socrata & Esri) – *Barney Krucoff* 1:35 – 1:40
- MSGIC Organizational Tier Dues Structure – *Jim Cannistra* 1:40 – 1:45
- MD iMap 2.0 Update 1:45 – 1:50
- Action Item Review 1:50 – 2:00
- Data & Resources Subcommittee Updates 2:00 – 2:35
 - Addressing Initiative – *Russell Provost*
 - Geocoder Update – *CGIS*
 - Imagery Service Update – *CGIS*
 - Floodplain Map Update – *MDE/MES*
 - Centerlines Update – *SHA*
 - Service Configuration File Standards – *Erin Lesh*
 - SHA Base Maps – *Erin Lesh*
- Application Subcommittee Updates 2:35 – 2:45
 - Template Update – *MES*

- Outreach Subcommittee Updates
 - Website Changes Preview – *Julia Fischer*
- Additional Business

2:45 – 2:55

2:55 – 3:00

Introductions

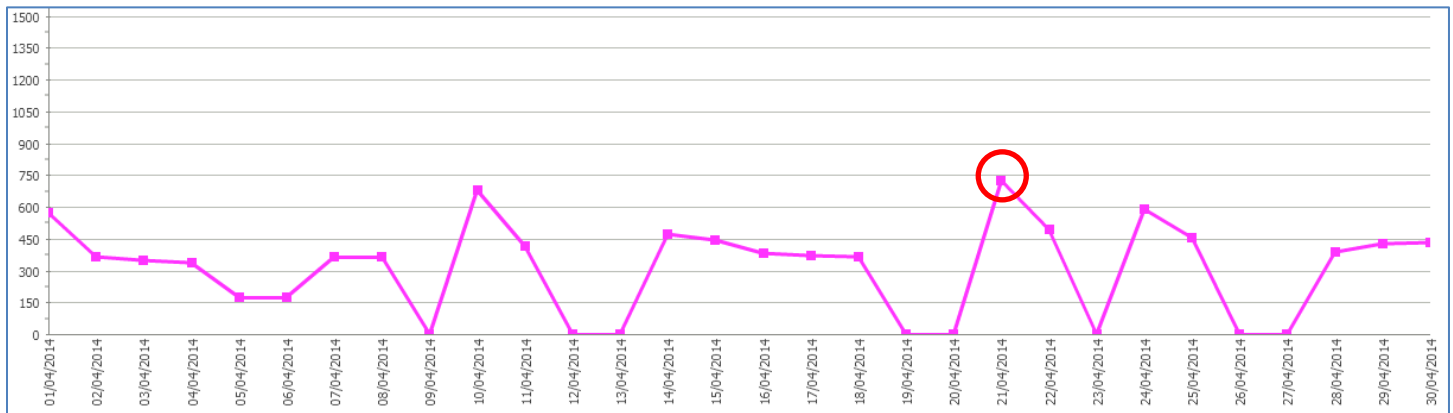
Round-the-room

MD ELA Statistics Update

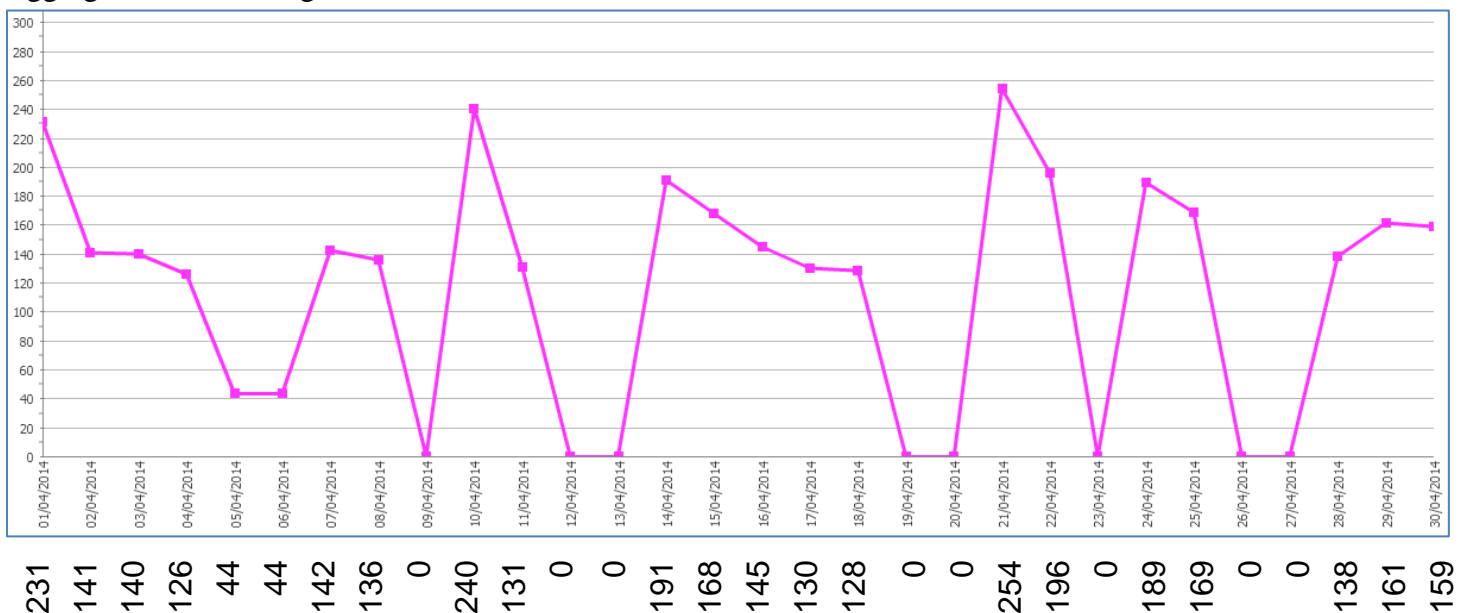
Desktop License Statistics

- Total Users in April: 572
- Percent Change from March 2014: +16.5%
- Total Number of System Users: 1,115
- Percent Change from March 2014: +8.0%

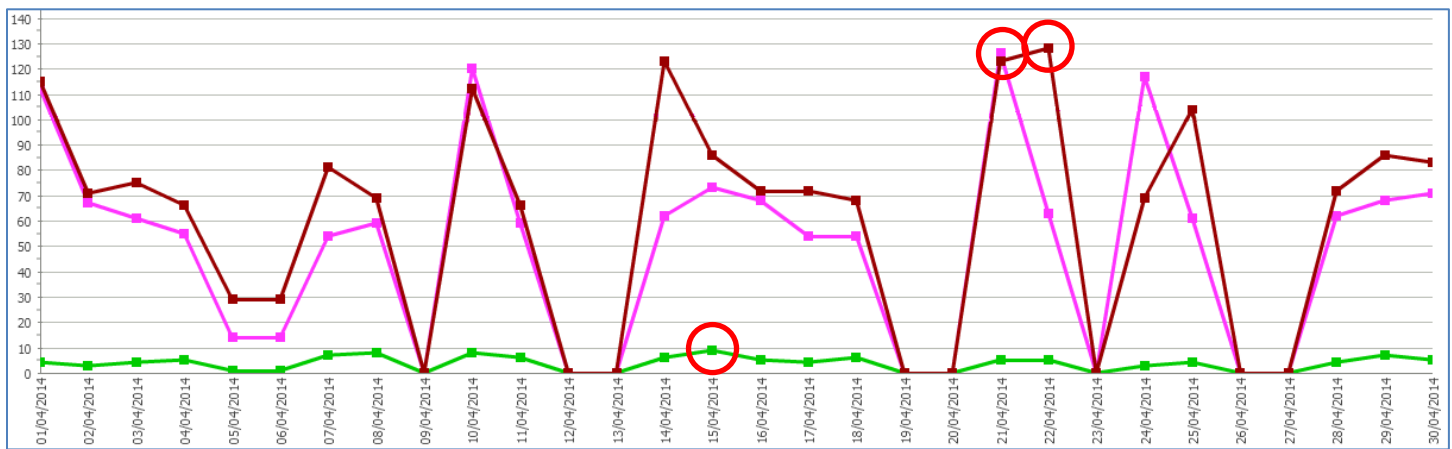
License usage peaked on April 21, 2014 with 726 concurrent licenses in use



Aggregated license usage of ArcView, ArcEditor and ArcInfo

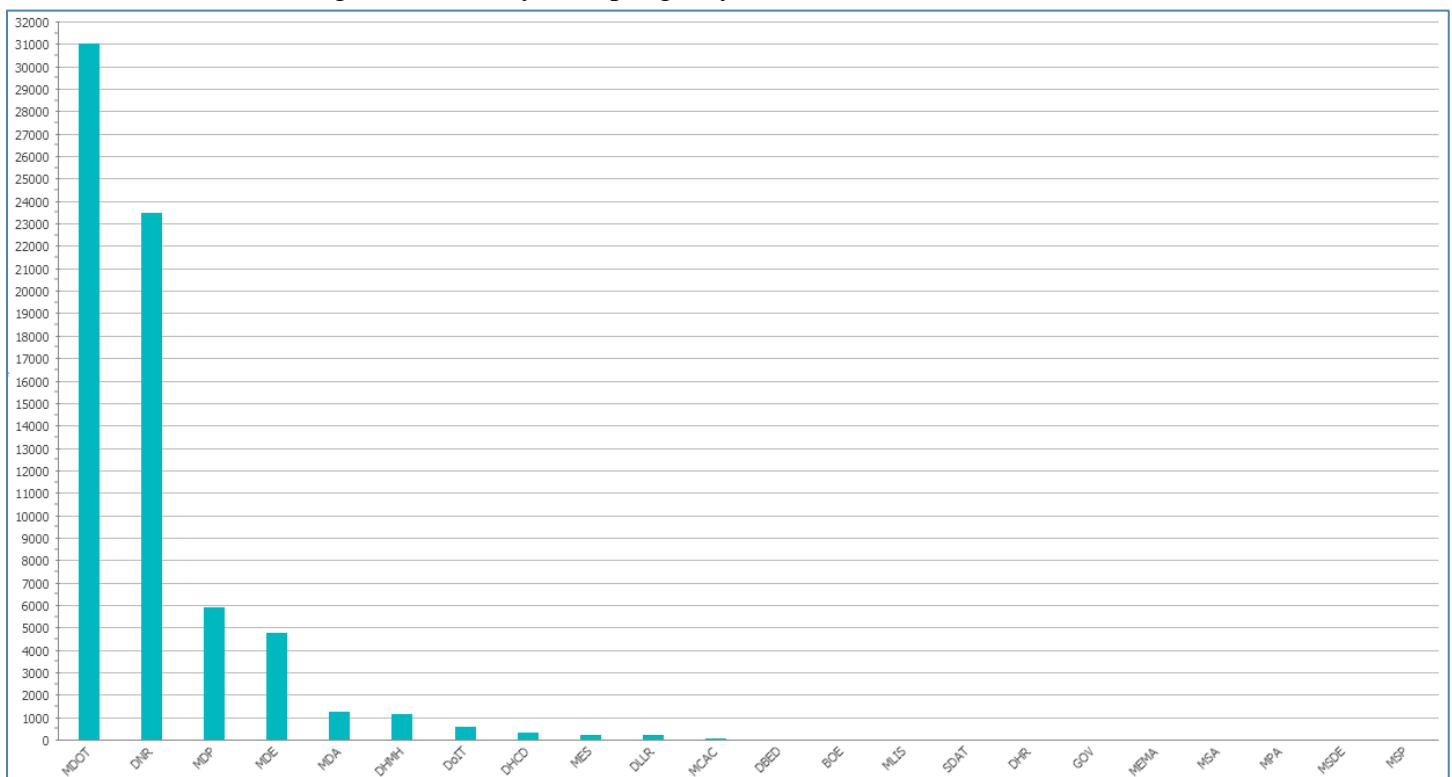


Breakdown of license usage for ArcView, ArcEditor and ArcInfo



- Max # of concurrent licenses for ArcView – April 22, 2014 with 128
- Max # of concurrent licenses for ArcEditor – April 15, 2014 with 9
- Max # of concurrent licenses for ArcInfo – April 21, 2014 with 126

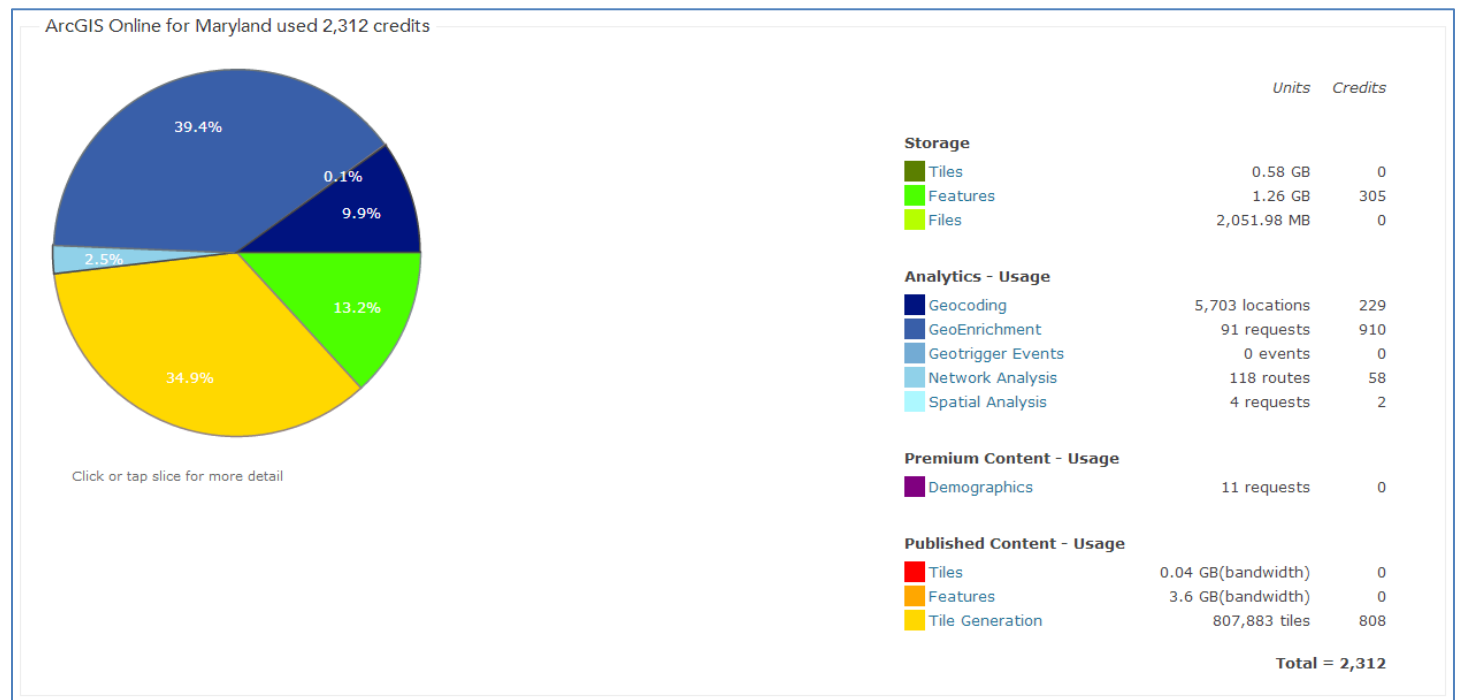
Breakdown of license usage (in hours) by Group/Agency



ArcGIS Online Statistics

- Total Number of Members as of April: 342
- Percent Change from March 2014: +3%
- Total Credits Used in April: 2,312
- Percent Change from March 2014: +119.4%
- Total Credits Remaining: 25,623

Credit Usage for April 2014



Top 5 Credit Users for April 2014

NAME	AGENCY	# OF CONTRIBUTIONS
Erin Silva	ESRGC	30
Planning Data & Analysis Maryland	MDP	18
Laura Bowne	DNR	15
Anthony Puzzo	Esri	6
Lee Venables	MDA	6

TUgis Debrief

- MD iMap presentation was well received
- Overall excellent conference, MDP had 10 - 12 people, feedback was good from everyone
- The change of format from 2-days to 1-day is what really propelled the progress of the conference
- Sessions were good, but heard there were too many sessions, too many things going on and people could not get to everything, this could be considered a good problem to have
- Feedback from the moderator perspective was that it was a challenge packing 4 presentations into a single session, keeping it to 3 presentations per session would be better
- Need to keep opening session on schedule and end when scheduled, with the delay, logistics of getting ready for the first session on time was a challenge
- Hospitality issues occurred such as running out of lunch and there was perhaps more food than necessary during snack, suggest more lunch and less snack
- Lightning Talks were a hit, but was too rushed to fully understand what each speaker's topic was addressing, also had some viewing issues
- TUgis Advisory Committee addressing these items and already strategizing how to improve for next year
- Good keynote, message conveyed by Barney Krucoff, both were well received

Question: Was there one session which was more popular or had enough demand to do again? Can this information be determined and shared?

- Open Source session was popular last year
- Similar idea from the Advisory Committee
- Presentation from Boundless is excited to do a MSGIC Quarterly

Geocortex Essentials Demo – *Brad Wolters*

- Demoing for the past few weeks
- Replicate DHCD Mapper similar to the Flex map already on the site
- Close, but not all tools yet working
- Show some workflows, show workflow designer

Multi-Family Buffer

- Create a buffer, query a specific layer and display results, zoom to area of interest
- Report comes up allowing to see printable .pdf with results and zoomed in map for each result

Select Multi-Family by ZIP

- Queries results and creates pdf of results
- Report comes up in text report creator
- Create report template and upload for using for all workflows which call for that template

Question: Data running queries against?

- Right now on DHCD servers, but could also work off of MD iMap data
- Mash-up of sources where the data is coming from

Workflows

- Create workflows which can be reused
- Available tools are on the left and can be drag/drop into the workspace, can connect with arrows to make the path of the workflow
- Can use some existing workflows and modify
- Create a variable for every input
- Design forms are wizard built to allow for GUIs within the application
- Setup all results from the workflow (true/false) what are the actions, what are the paths
- Add viewer to use as HTML5 and Silverlight, not as many tools available on the HTML5 viewer

Smart, Green and Growing Demo

- Mimicking the ability to change between grouped map layers
- Add services from any server, pull in shapefiles, excel spreadsheets and can export all
- Layer themes are set as turned on/off, use wizard to add/delete

Reference WebMaps from AGOL

- Allow user to take any public AGOL webmap

- Shows all of the different layers that have been updated to AGOL
- Modify which fields to display, queries service and allows for one-off modification, which is not rendered back to the underlying data source
- Feel free to contact Brad if you would like to find out more or see more
- Found to be very useful and easy compared to some of the other application development
- DoIT hired a couple of developers (KCI and SSA) to develop the template around a year ago
- Ran into Geocortex product shortly thereafter
- This is more than it was when it was first discovered, done more with HTML5
- Made a mistake not focusing on this product, but now John Bocan (MES) is in Palm Springs looking at Web

Map Builder tool for JavaScript

- Participating in the holistic testing and also the beta program for this product

Action Item - Add to the agenda what was learned from this product, the recent testing and program

- Discuss the 2 products together, compare and see what would meet the needs of the larger group
- Talk about which is more promising for investment
- New product from Esri still has basic components, not the level of detail from Geocortex product
- Go into service and option to include in Global Search, allows for the search function to act as a keyword search for the entire application
- Search also allows for standard address look-up also
- Printing capabilities allow for options of output type, resolution, title and creates using the template
- Erick Pate Calvert Co is also using Geocortex significantly and pretty far along with their development

Question: Available for mobile devices?

- HTML5 and Silverlight available, so whenever compatible with mobile devices, visible on mobile devices
- Partner with Esri and have to make products work in compatibility with the Geocortex software

Legislative Update – *Jim Cannistra/Barney Krucoff*

- MDPV things still progressing with the budget
- Session closes next week, no negative feedback to date, which is good news
- Open Data bill appears that it will pass
- Each side has favorable reviewed it and just a matter of time before passing
- Become law on July 1

Local Government Programs (Socrata & Esri) – *Barney Krucoff*

- Announced at TUgis, reached agreement with Socrata to give local government Socrata micro site
- Post 50 datasets, also rolls up to data.maryland.gov
- Good deal because this gets local governments engaged

- Have a good price for 2 years
- Esri has gotten a little jealous, they want to do something similar with AGOL
- Might roll out together both of these available resources, making clear what data would go where
- Looking for an additional organization run by the state with local government members, which would be exclusively for open data
- Not as concrete of an agreement
- Incentive, but offer suggestions of what data should be posted on these sites
- What is the data that we really want?
- Could we agree on a set of data that we want, let's put out our list
- Pick 15 things off our list and they have 35 other datasets which are open for posting of anything
- Esri would be based on credits, rather than datasets
- Want to list out datasets, brainstorm through Data & Resources Subcommittee
- Wouldn't be able to require specific field names, would have to be willing to take data as-is
- Want to try to ask once for a particular dataset and accept as-is
- County owned facilities, schools, points of interest, building permits, speed cameras, building footprints
- See what are the most popular layers from some of the other Socrata sites already out there (Baltimore City, Montgomery County, etc.)
- Eat up the credits with this concept if posting and storing on AGOL, but willing to store on MD iMap and reference through AGOL, then the additional cost would be assumed by DoIT and not through AGOL account
- Where does the data get stored and how much do we allow in the free organization are still questions to be answered
- Could work with the MSGIC Data Subcommittee along with D&R Subcommittee, can also check Ramona inventory for what is already out there from locals
- New open data site from Esri, essentially is a ready-made, give your data away site, working with Esri to put this together, don't have to build custom data download sites
- Axis Geospatial has a data hub which hosts a lot of data for the Eastern Shore, outdated, but have a relationship to pull data to a central location, might want to research and potentially collaborate

Question: Any discussion to have a consolidated, conflated dataset that locals contribute to?

- For example, schools has to be known and compiled by MSDE, in this case, rather get data from MSDE
- Other places where it would be better to get this data from the locals directly, perhaps points of interest, just points, not a lot of requirements for the inputs, but can get some key sites from the locals
- Having this information available from the authoritative source would be valuable to the State, as well as the surrounding jurisdictions
- Need to find the right person to make the request to, in order to assure that the authoritative, complete data is being obtained
- Another example is the parcels data which is being collected geometry from the locals, conflated to the state level, a program that is working
- Have been talking at BSGRC to look at things that are useful to emergency management, such as fire hydrants, single schema, look at common datasets
- Initially coordination effort to get everyone on-board, setup on the State side and take burden off the local side to participate

- Ultimately getting to the ideal situation it will take getting in front of politicians and say this is good for Maryland, create economic development, there are items coming up which will need a coordinated approach, MOU or State data sharing standard
- Does not require a county to participate, can backfill with the State data and overtime peer pressure will set in and ideally the gaps will be filled by authoritative data
- Success with addresses and centerlines, might put more confidence in the locals to participate and share additional data in the future

Action Item: Add to agenda for May

MSGIC Organizational Tier Dues Structure – *Jim Cannistra*

- List of non-paying members from MSGIC database
- Pretty good representation across the agencies
- DoIT, MDP, MES have all paid
- Instead of MSGIC going out to hit up members of agencies, better to go out as consolidated group
- Basic structure in place (Tiers minimize the cost per person - Sponsor \$700 gets costs down to \$30 per person or less)
- Want to get more State agencies as organizational members
- Recent uses and benefits of MSGIC dues availability and participation
- MSGIC sponsor for TUGis, MACo attendance, Quarterlies at different locations, good to have flexibility with costs of a meeting and venue, redevelopment of the website - Money has been spent over the past 6 months on these items
- MDTA requested for Tier 1 organizational, but got no response, put in for \$50 individual membership
- DNR has shown interest, Lisa to follow up with them, lost interest when dues structure was put in place
- All of the benefits from DNR over the years it would be a shame if there were 0 paying members
- DHCD might be able to obtain a single, \$50 membership

MD iMap 2.0 Update

- Working closely with DoIT System folks to keep things on track and on place
- Official last day is August 29, 2014 and this will be the last day for switching over services and data
- In final stages of reviewing current data in the system and where it will go in the new system
- Hope to have this list out shortly for review from the larger group
- Putting documentation together of services and FAQ of the larger process
- Questions can be addressed by Barney Krucoff, Matt Sokol, Julia Fischer or Lisa Lowe
- Spoken with some agencies to date
- Russ recently spoke with MTA about the move to 2.0
- Questions about maintaining symbology, previously submitted symbology through a .mxd
- Proposed plan is to accept layer packages to use the symbology defined through these resources
- Enabling dynamic workspaces on each layer, so symbology can be changed through API, layer labeling and layer order can also be changed

Question: When will the site be running in parallel?

- Expect to start being able to hit those new services in the second week of May
- MDP interested in seeing the service design of the structure
- Want an adequate amount of time to determine the logistics around each service
- Action Item: Add to agenda for next month the final review of the new service structure for MD iMap
- Anticipate releasing the list sometime next week
- Consider present during a MSGIC Quarterly meeting

Action Item Review

- Every action item is on the documents and each subcommittee heads will be working on the action items and will be bringing updates from here on out
- Some of these action items need to be closed, have been sitting there for a long time and proactively trying to close as many of these items as possible

Action Item: Send out the latest list of the action items to the group

Data & Resources Subcommittee Updates

Addressing Initiative Updates – *Russell Provost*

- Push for an update in April
- Starting meeting with locals almost one year today
- ETL finally done, for April going to work with CGIS to collect centerlines and address points to the same folder on the FTP site
- Process the data and make sure that notifications of when latest updates are pushed to resources messaged out to the group
- Monthly updates anticipated
- Email notifications for centerlines and address points will go out as a single address
- CGIS sends out a monthly email requesting the data, quarterly calls for those who aren't submitting the monthly updates
- Make a map to show who is updating monthly, both centerlines and address points, people want to know the most current and want to shame those who are not participating
- Meeting with Comptroller, looking to do fraud analysis, want to use geocoder to get x,y
- Agreed to share addresses that don't match with local data, checking to make sure this is ok
- Head of IT was adamant about addresses being public data
- Tomorrow the Feds are auditing the broadband grant, NTIA making sure money was spent wisely

Geocoder Update – *CGIS*

- Nothing specific for the geocoder
- Data updates being provided and communication with counties covered by Russ, monthly processing

Image Service Update – *CGIS*

- Follow up meeting from the last Technical Committee to talk about the 6 inch imagery and solution for creating one six inch imagery image service
- Been some data issues which have prevented moving forward
- Working on two solutions, two options and will get to end result with both sides of the State in a single image service
- 6 inch map service CIR has been published and on production now, Statewide
- Looks good with topography viewer from Salisbury, transparency on top of LiDAR brings out the CIR well
- Receive an update from CGIS on the solutions progress next week

Floodplain Map Update – *MDE/MES*

- MDE is targeting for migration to ArcGIS Server 10.2 to be complete by the end of the month
- The goal will be to have the Floodplain Map Services published on MDE servers as part of the migration
- Testing on the new DFIRM Outreach Application (as a baseline version using the new MD iMap template) is underway
- MES/MDE is targeting completion/deployment (as beta), prior to the Towson Conference
- End users will be able to jump to both the old and new version of the application from the MDFloodmaps homepage

Centerlines Update – *SHA*

- Still doing outreach, been to 10 counties officially, Anne Arundel Co this week, not hearing back from some of the counties
- Still trying to procure Roads and highways, Esri working with SHA procurement to agree with the contracts
- Participate in Regional Centerline Steering Committee with surrounding DOTs, Census Bureau and Fed Highway
- Last meeting, someone from USDOT has personal story about 911 couldn't get to his house to save his father and looking to promote better partnership between NGA and USDOT
- Something that has been asked for a while, pulling together addresses and centerlines
- USDOT Conference next week, Erin Lesh and Marshall Stevenson to be in attendance, Roads and Highways User Group meeting
- Meetings have gone well, no county has said no, some doubt at the beginning, but open to the idea by the end of the meeting, good to have public safety people in the room during the meeting
- No requirements, no money, just asking to review the data, keep doing what you're doing now or become more involved using the Roads and Highways resources
- Some Eastern Shore and Allegany County still need to come around
- MDTA working on sections of ICC (Route 200), asking for fire hydrants and other information for when the remainder of the road gets opened up
- MDTA also finalized road maintenance extents
- Roads getting into the system from the preliminary stage of development and attributes are changed to indicate status

Service Configuration File Standards

- Every time you create a map service and on MD iMap using the defaults
- Found that increasing the max image height, width and record count helps with printing and reporting on the .pdf
- Can crash if those counts aren't updated when these queries are completed
- For WMS enabled services, defaults to 2 spatial reference codes, can add additional codes, such as State Plane Meters and Feet, etc.

Action Item: Send this info - Erin Lesh

- Have to stop the SOM and update the config file independently to get Server to recognize
- Have to go into Window Server and stop services and stop AGS
- Might want to create a script to change these

SHA Base Maps

- Almost done caching the color basemap
- Based off of ____ map products
- Considering have layer of annotation and some features that can be draped over the imagery, some simple labeling for, like a hybrid with some simple road lines, political boundaries, road names, place names, but need to minimize the number of layers included
- Data collection at SHA

Question: How do we integrate what is collected at SHA with other resources?

- Map team alters the location of the data in order to accommodate a paper cartographic product
- There is a law that these maps must continue to be developed and made available
- Challenge because resources have moved forward, but still have to maintain a paper version, sometimes have to maintain the data twice
- Get counts for requests to potentially go before legislator to get this law changed
- Would be great to free up this investment to something more versatile
- Paper product prevents from getting to the digital product, keeps everyone working, but minimal gain from the level of investment
- MD iMap welcome to hosting this as a service available to the general public outside of the SHA firewall (service to be in State Plane feet)
- Having to use Gazetteer within Geocortex because PFAs will not overlay with Esri basemaps
- Trying to find a work around in the short term

Question: Can these be hosted externally?

- Two facing externally, but not efficiently setup for prime time
- Not redundant, not backed up at this time

Application Subcommittee Updates

Template Updates – MES

- Tutorials will be incorporated into the new Portal

- Appreciate help getting the two table of contents separated, worked well
- Want a tab for ZCTA, ACS and Census data, call to web map, rather than having multiple, unique applications
- John Bocan is learning about a new possible template we might utilize in the near future
- Worked with MDP to create a two table of content approach, code available if anyone is trying to do something similar.

Action Item: Still need to decide on subcommittee chair – Barney Krucoff

Outreach Subcommittee Updates

Website Changes Update – *Julia Fischer*

- Anticipate releasing the pilot site on May 1 for approximately 2 weeks of review
- Will be requesting specific testers inside and outside of the SwGI network starting May 1 - May 14

Additional Business

- SigmaSpace contacting state agencies about Statewide LiDAR for carbon monitoring, contacting at the Secretary level
- Question is they are coming in at one level, we should have a technical work session, MD iMap Tech meeting or separate meeting to make them aware of resources available and get a clearer idea of what this group is looking for
- Jim C. to set up a meeting and invite Technical Committee and MSGIC Executive Committee
- NSGIC State Council Membership

Next MD iMAP Technical Committee Meeting: May 6, 2014